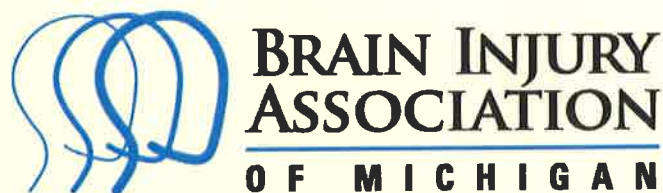


BRAIN INJURY AND ITS IMPACT ON MICHIGAN RESIDENTS

PRESENTATION TO
SENATE HEALTH POLICY COMMITTEE
JANUARY 23, 2014



Michael F. Dabbs
President
Brain Injury Association of Michigan



Lynn Brouwers
President
Michigan Brain Injury Providers Council

BRAIN INJURY ASSOCIATION OF MICHIGAN (BIAMI)

Who We Are ...

Incorporated in 1981, The BIAMI is a nonprofit organization that seeks to create greater awareness and understanding of brain injury in Michigan, and serves as a primary source of help, hope and healing for brain injury survivors and their families across the state.

The BIAMI is comprised of (and serves as the critical link between) those living with a brain injury and the extensive network of brain injury rehabilitation centers, medical treatment facilities, care providers, programs and professionals that serve them.

BRAIN INJURY ASSOCIATION OF MICHIGAN

Our Mission...

To improve the lives of those affected by brain injury and to reduce the incidence and impact of brain injury through education, advocacy, support, treatment services and research.

Our Vision...

Everyone affected by brain injury will have immediate and equal access to services and support to help lead full and meaningful lives.

Brain Injury Definitions

Acquired Brain Injury (ABI)

An ABI is an injury to the brain that has occurred after **birth** and is not hereditary, congenital or degenerative. The injury commonly results in a change in neuronal activity, which affects the physical integrity, the metabolic activity, or the functional ability of the cell. The term does not refer to brain injuries induced by birth trauma. Includes TBI and injuries caused by an **internal insult** to the brain.

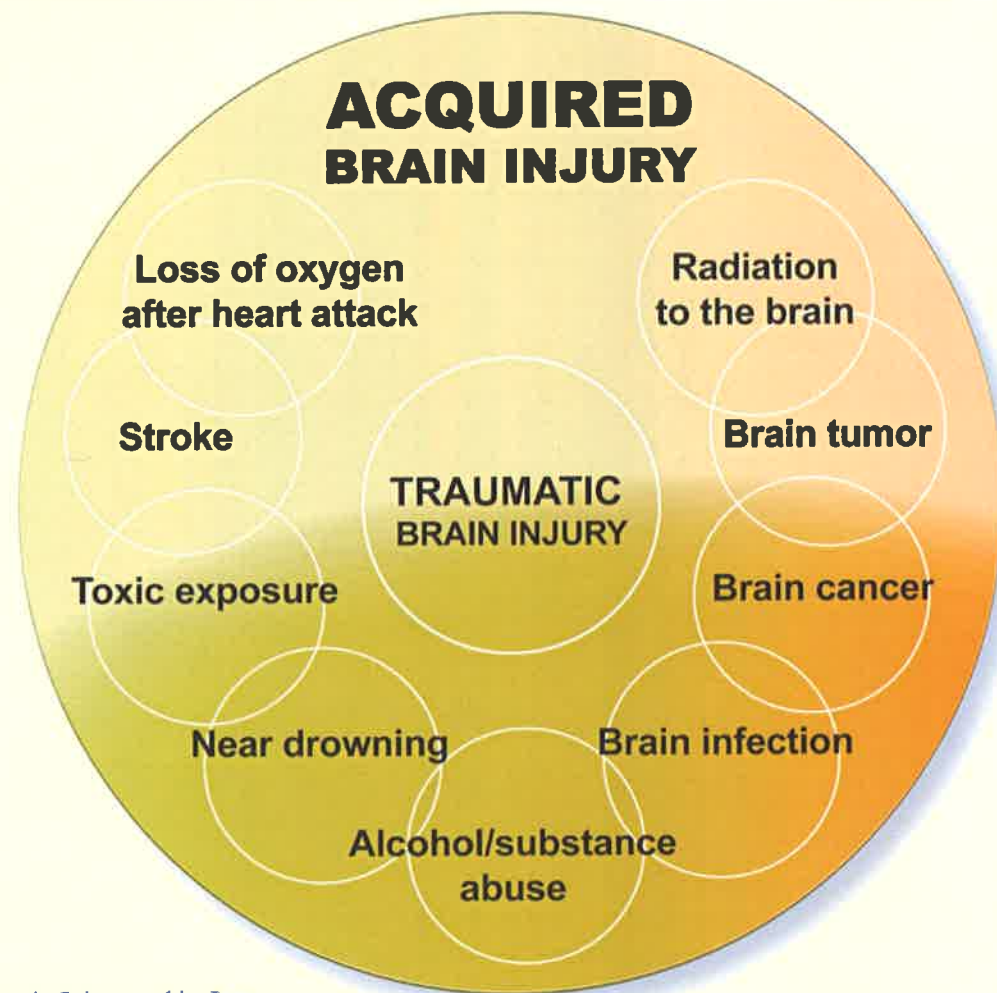
- Brain Injury Association of America (1997)

Traumatic Brain Injury (TBI)

A TBI is defined as an alteration in brain function, or other evidence of brain pathology, caused by an external force.

- Brain injury Association of America (2011)

WHAT IS ACQUIRED BRAIN INJURY?



TRAUMATIC BRAIN INJURY (TBI) IN THE UNITED STATES*

In America:

- Seven million people live with lifelong disabilities as a result of a TBI.
- An estimated 1.7 million people sustain a TBI annually. Of them:
 - 52,000 die,
 - 275,000 are hospitalized
 - 1.365 million (nearly 80%) are treated and released from emergency departments

***TBI is a contributing factor to a third (30.5%)
of all injury-related deaths in the U.S.***

* Military TBI is not included in any data.

TRAUMATIC BRAIN INJURY (TBI) IN MICHIGAN*

In Michigan:

An estimated 58,500 people sustain a TBI annually. Of them:

- 1,5200 die,
- 10,980 are hospitalized
- 46,000 are treated and released from emergency departments

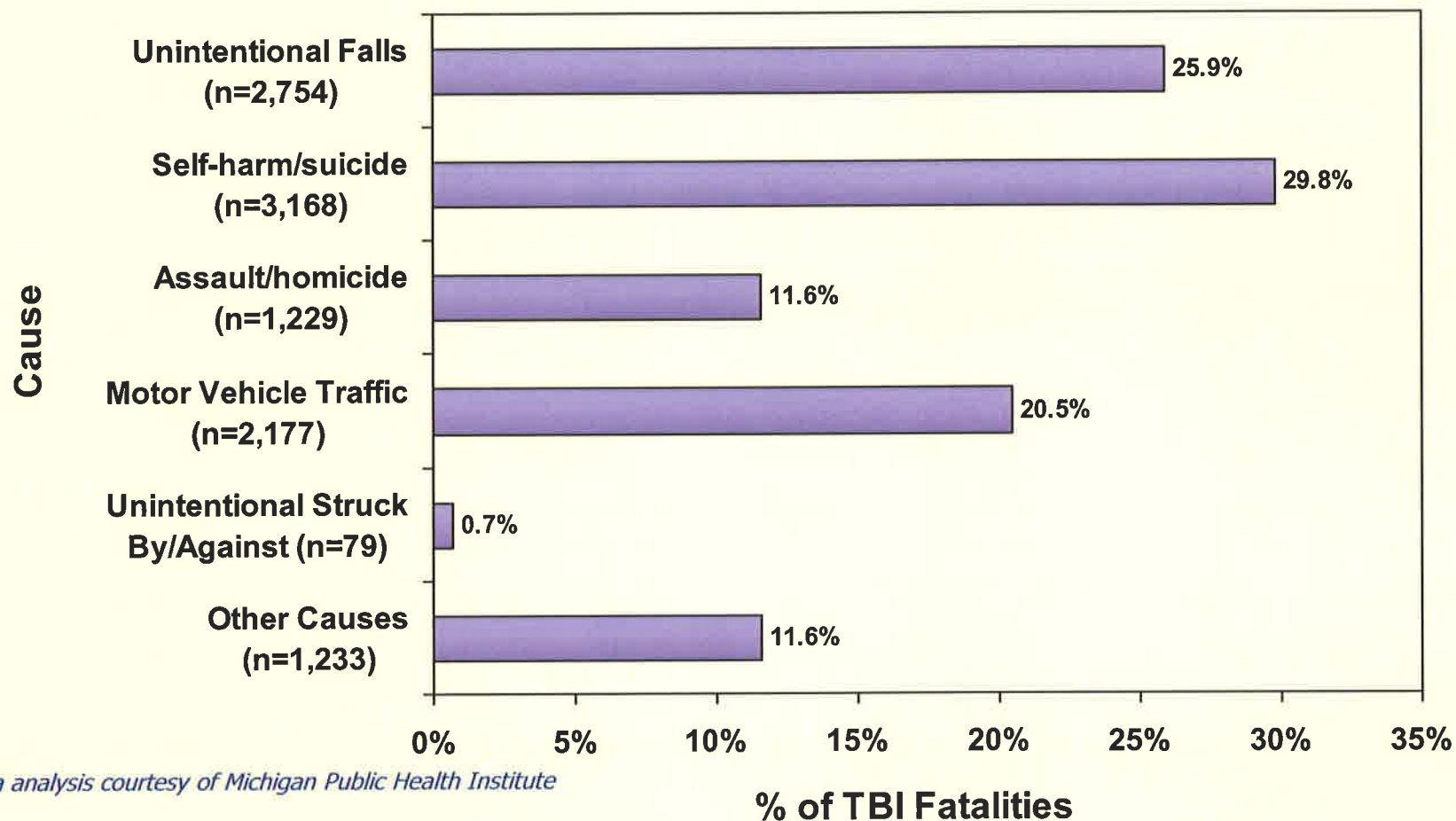
**Over 98,000 Michigan residents currently live with TBI-related disabilities.
More than enough to fill Comerica Park.**



Twice.

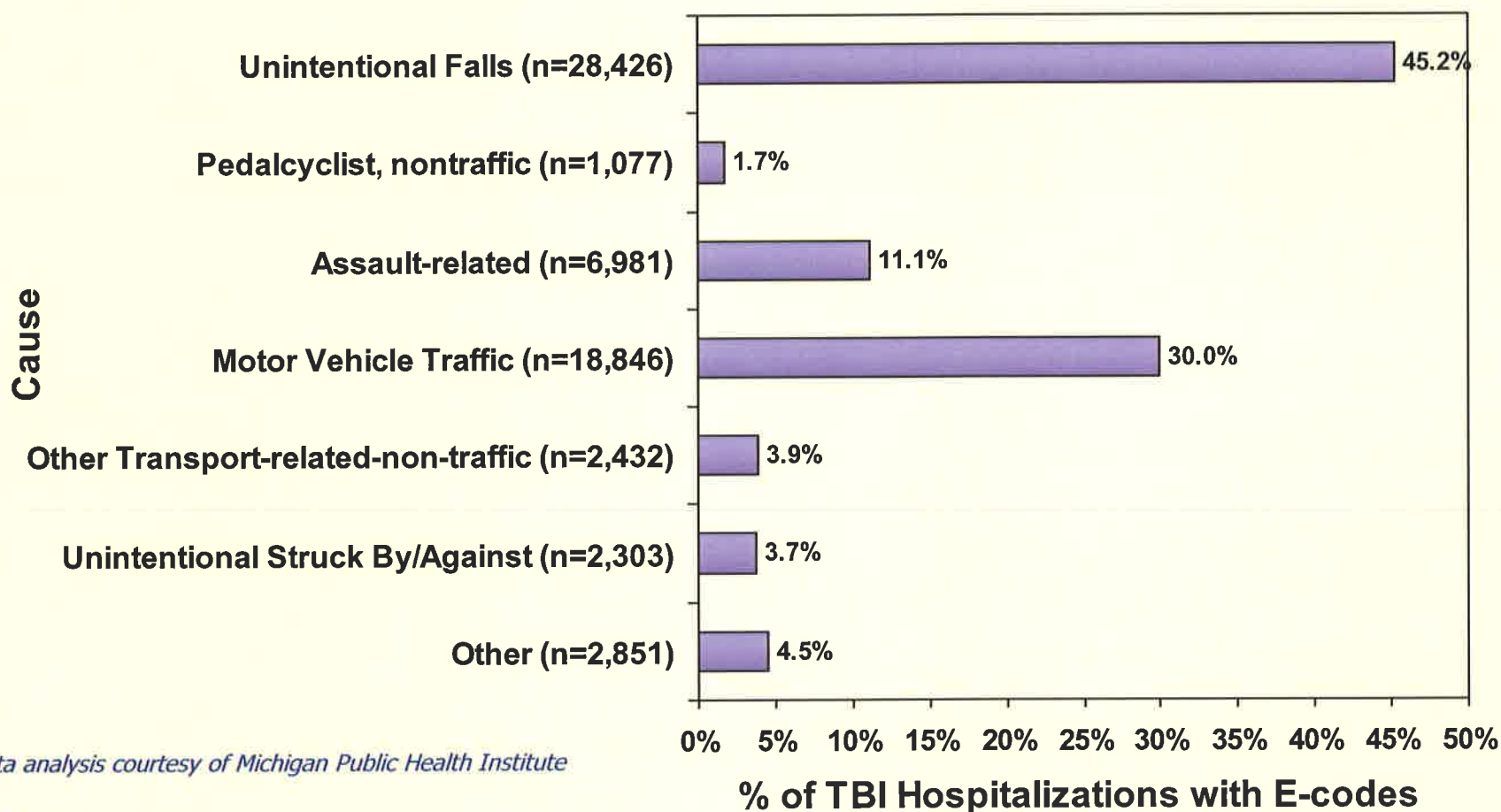
** Military TBI is not included in any data.*

FATAL TBI BY MAIN CAUSE OF INJURY (2003 TO 2009; N=10,640 CASES)



NONFATAL TBI HOSPITALIZATIONS BY MAIN CAUSE OF INJURY

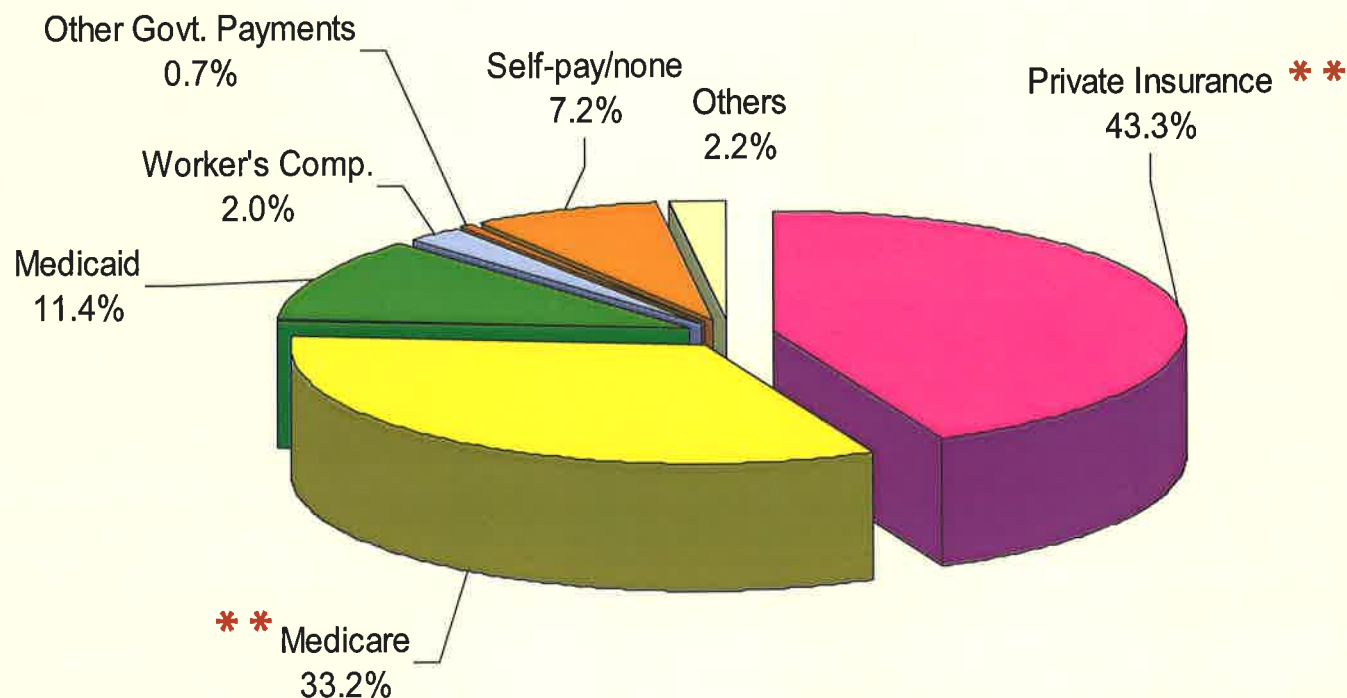
(2003 TO 2009; N=62,916 HOSPITALIZATIONS WITH E-CODES)



Data analysis courtesy of Michigan Public Health Institute

NONFATAL HOSPITALIZED TBI CASES IN MICHIGAN BY PRIMARY SOURCE OF PAYMENT (2003 TO 2009; N=75,284)

HOSPITAL COSTS ONLY

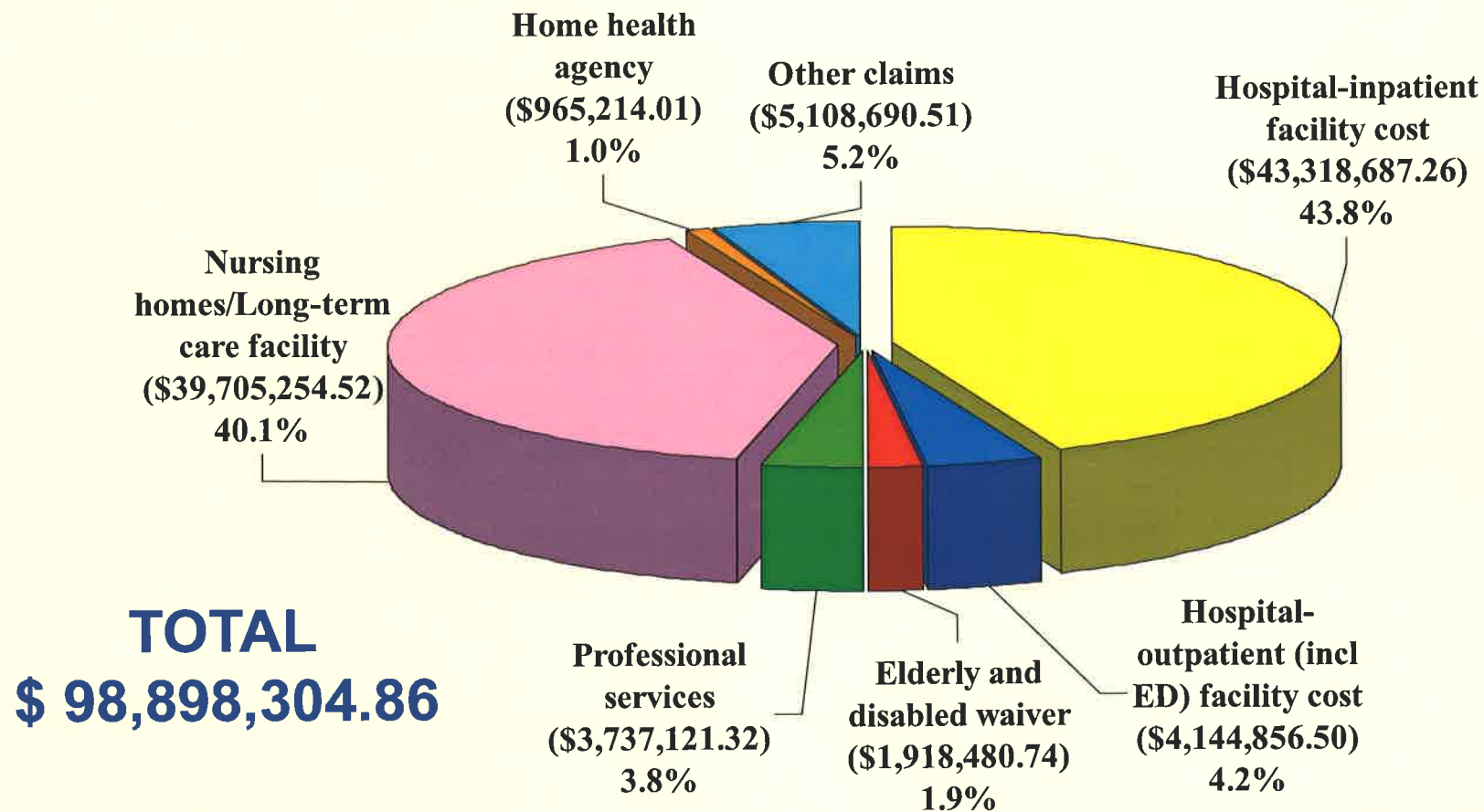


**** Reverts to Medicaid for Long Term Care**

Data analysis courtesy of Michigan Public Health Institute

TBI Cost Information by Provider Category (Medicaid-FFS Only)

(FY2002 – 2006)



Data analysis courtesy of Michigan Public Health Institute

TBI COST TO SOCIETY

Michigan = \$2.4 billion*
(U.S. = \$76.5 billion*)

****Direct and indirect costs (e.g., lost productivity)***

IMPORTANCE OF S.B. 617

- ABI/TBI definitions made part of Michigan Law
- Formally establishes TBI Services & Prevention Council (TBISPC)
- Requires TBISPC to provide Annual Report to MI Dept. of Community Health (MDCH) Director and Legislator on:
 - Development status of statewide Information & Referral Network
 - Incidence of ABI
 - Recommendations on how to address the needs of persons with a brain injury (ABI and TBI)
- Outlines MDCH Responsibilities:
 - Coordination of all policies, programs and services
 - Collaboration with state agencies & private organizations to provide services
 - Promulgate rules it considers necessary

BRAIN INJURY ASSOCIATION OF MICHIGAN (BIAMI)

How We Serve:

- **Support** – Toll free number, information & referral
- **Education** – Nation's largest conference (1,400+), training for Academy of Certified Brain Injury Specialists
- **Advocacy** – Public policy involvement
- **Research** – Leadership in S.E. Michigan TBI Advisory Board, Ohio Valley Head Injury Center and work with Brain Injury Research Center-TIRR Memorial Hermann.
- **Treatment Services** – Nationally recognized Center of Excellence in brain injury care; 50+ CARF*-accredited care facilities, programs, and professionals.

* *The Commission on Accreditation of Rehabilitation Facilities*

MICHIGAN BRAIN INJURY PROVIDER COUNCIL (MBIPC)

Established in 1987:

- Purpose

- Enhance the ability of its members to provide:
 - High quality ethical rehabilitation, health care, and related services
- Accomplished through:
 - Resource sharing and information exchange
 - Professional development and education
 - Promotion of beneficial legislation
 - Advocacy and support for the Brain Injury Association of Michigan

MICHIGAN BRAIN INJURY PROVIDER COUNCIL (MBIPC)

Over 115 Member Organizations:

- Medical Rehabilitation Providers
 - Acute Care Hospitals
 - Inpatient, Outpatient Rehabilitation
 - Residential Rehabilitation Facilities
 - Short term, Long term
 - Medical, Behavioral
 - Home and Community Services
 - Home Care, Home/Community Rehab, Transportation
 - Vocational Rehabilitation/Day Treatment Providers
 - Case Management Providers
- Physicians, Pharmacies, Guardians, Law Firms, Specialized Construction, Transportation

MICHIGAN BRAIN INJURY PROVIDER COUNCIL (MBIPC)

Employs over 15,000 Michigan Citizens:

- Medical/Allied Health Professions
 - Physicians and nurses
 - Physical and occupational therapists
 - Speech pathologists and mental health clinicians
 - Vocational and recreation therapists
 - Medical case managers
- Paraprofessionals
 - Nursing assistants
 - Personal care attendants
 - Home health assistants

FOR MORE INFORMATION

Michael F. Dabbs

mdabbs@biami.org

Brain Injury Association of Michigan

7305 Grand River, Suite 100

Brighton, MI 48114

Toll-Free (800) 444-6443

PH: (810) 229-5880

Fax: (810) 229-8947

Website: www.biami.org

Lynn Brouwers

info@mbipc.org

Michigan Brain Injury Provider Council

7305 Grand River, Suite 100

Brighton, MI 48114

PH: (810) 229-5237

Fax: (810) 229-8947

Website: www.mbipc.org